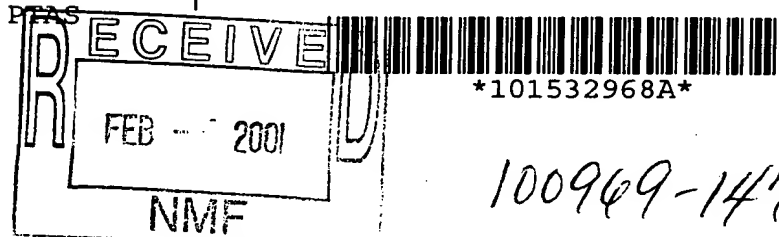




UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 31, 2001

NUTTER, MCCLENNEN & FISH, LLP  
MICHAEL I. FALKOFF, ESQ.  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2699



\*101532968A\*

100969-147

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/30/2000

REEL/FRAME: 011273/0639  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
LIU, YI

DOC DATE: 10/26/2000

ASSIGNEE:  
PANAMETRICS, INC.  
221 CRESCENT STREET  
WALTHAM, MASSACHUSETTS 02453-3497

SERIAL NUMBER: 09702074  
PATENT NUMBER:

FILING DATE: 10/30/2000  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECEIVED  
DEC - 4 2002  
TECHNOLOGY CENTER 2800



11-30-2000

G LABEL NO. EL327516618US

RNI DOCKET NO. 100969-147



101532968

HEET

To the Assistant Commissioner for Patents: Please record the attached original documents or a copy thereof.

## 1. Name of conveying parties:

Yi Liu

Additional name(s) of conveying party(ies) attached?

Yes ☒ No

## 2. Name and address of receiving party:

Name: **Panametrics, Inc.**  
Street: **221 Crescent Street**  
City: **Waltham**  
State: **Massachusetts**  
Zip: **02453-3497**

## 3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other

Additional name(s) &amp; address(es) attached?

Yes ☒ No

Execution Date:

4. Application number(s) or patent number(s): (If this document is being filed together with a new application, the execution date of the application is:) **October 26, 2000**

A. Patent Application No:

B. Patent No(s): [Patent No(s)]

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom

correspondence

concerning document should be mailed:

Atty. Name: **Michael I. Falkoff, Esq.**  
Firm Name: **Nutter, McClennen & Fish, LLP**  
Street Address: **One International Place**  
City/State: **Boston, MA**  
Zip Code: **02110-2699**  
Direct Dial No. **(617) 439-2879**  
Direct Fax No. **(617) 310-9879**

6. Total number of applications and patents involved? 1

## 7. Total fee (37 CFR 3.41)

**\$40.00**☒ Enclosed

☐ Authorized to be charged to  
Deposit Account No. 141449

## 8. Deposit Account No. 141449 (Attach duplicate copy of this page if paying by deposit account)

11/23/2000 MTHAI1 00000167 09702074

DO NOT USE THIS SPACE

01 FC:581

## 9. Statement and signature (To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.)

**Michael I. Falkoff**

Name of Attorney

Signature

30 Oct. 2000

Date

Total number of pages including cover sheet: 3

920058

Jc922 U.S. PTO  
09/702074RECEIVED  
DEC -4 2002  
TECHNOLOGY CENTER 2800  
09/702074

**ASSIGNMENT**

Whereas I, the undersigned, **Yi Liu**, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled, **ANTI-PARALLEL TAG FLOW MEASUREMENT SYSTEM**, identified as Attorney Docket No. **100969-147**, which application or a copy thereof was executed by me of even date herewith and is about to be filed in the United States Patent and Trademark Office;

Whereas, **Panametrics, Inc.**, a corporation of Delaware having a place of business at **221 Crescent Street, Waltham, MA 02453-3497** and which, together with its successors and assigns, hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, provisional application and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;


4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said

patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: 10/26/2000

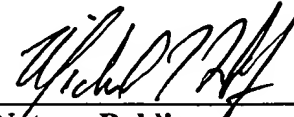
  
Yi Liu

NOTARIAL CERTIFICATE

Commonwealth of Massachusetts  
County of Middlesex

Before me appeared Yi Liu, to me known and known to me to be the person described in and who executed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date: 10/26/00

  
Notary Public  
My Commission Expires:

[seal] 1.14.2002